



University of Hawaii at Manoa

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December 6, 1989
RP:0119

Dr. John C. Lewin
Department of Health
Environmental Management Division
P.O. Box 3378
Honolulu, Hawaii 96801

Dear Dr. Lewin:

Water Quality Certification
Upper Wailua River Hydroelectric Power Project
Maheo Stream, North Fork Wailua River, Wailua, Kauai

We have reviewed this application for a Section 401 Water Quality Certification (WQC) with the assistance of Edwin Murabayashi, Water Resources Research Center; and Carolyn Cook, Environmental Center.

The applicant proposes to divert sugarcane irrigation water from the Hanalei Tunnel outlet for use in their powerhouse turbine generator. The pollutants associated with construction of facilities for the water diversion and subsequent discharge are our main concern with this project. If effective mitigation measures are not used the suspended solids from the cleaning and maintenance of the construction equipment will add considerable sediment to Maheo Stream.

Extreme care should be taken to follow the conditions of the Section 401 WQC which stipulate that the applicant must insure that construction debris and any other deleterious materials shall be contained and prevented from entering the state waters. Barriers (debris basins) should be constructed at suitable locations for this purpose. Specific provision for monitoring of the activities during construction should be incorporated into the permit.

Thank you for the opportunity to comment on this document.

Yours truly,

Jacquelin N. Miller
Jacquelin N. Miller

Associate Environmental Coordinator

cc: OEQC
L. Stephen Lau
Edwin Murabayashi
Carolyn D. Cook

A Unit of Water Resources Research Center